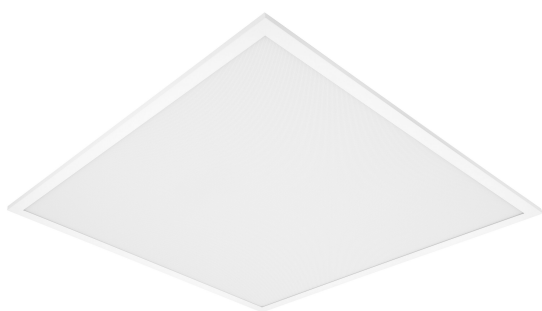


PRODUCT DATASHEET

BIOLUX HCL PL 600 S 40W TW DALI

BIOLUX HCL PANEL DALI GEN 2 | Recessed panel luminaires, Tunable White, 115 lm/W, tool-free installation, DALI-2 IoT technology



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Broad Tunable White CRI90 light color spectrum for high quality Human Centric Lighting applications
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Available for grid size of 600 mm x 600 mm, 625 mm x 625 mm and 1200 x 300 mm

Product benefits

- Suitable luminaire for VIVARES DALI, VIVARES DALI HCL and other DALI-2 light controls
- Enables an individual Tunable White lighting solution in combination with compatible DALI-2 lighting controls
- Supports LEDVANCE Human Centric Lighting in conjunction with DALI PRO 2 IOT LDVV Controller (4052899627079)
- Compatible with VIVARES CLOUD SERVICE for energy monitoring
- Through-wiring possible with included cable clamp
- Energy savings thanks to high system efficacy: up to 115 lm/W
- External DALI-2 driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Good glare reduction (UGR < 19)
- 5 years guarantee

Product features

- IoT-ready luminaire with DALI-2 technology
- Adjustable color temperature via Tunable White: 2,700...6,500 K



- Very high color rendering index Ra: > 90
- High quality extruded aluminum frame
- Version available with pre-mounted Wago-connector (Item No: WAGO 771-9985/206-301) for Panel 625 CSW
- Suitable for central battery emergency installations acc. to EN 60598-2-22

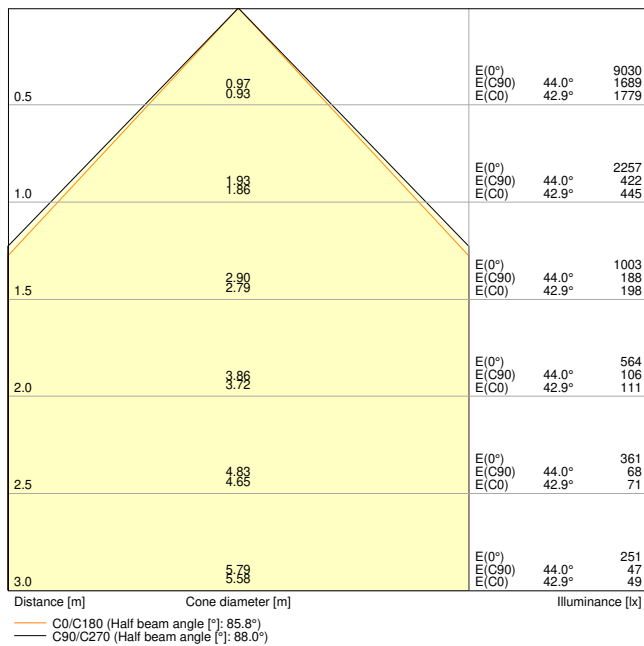
TECHNICAL DATA

Electrical data

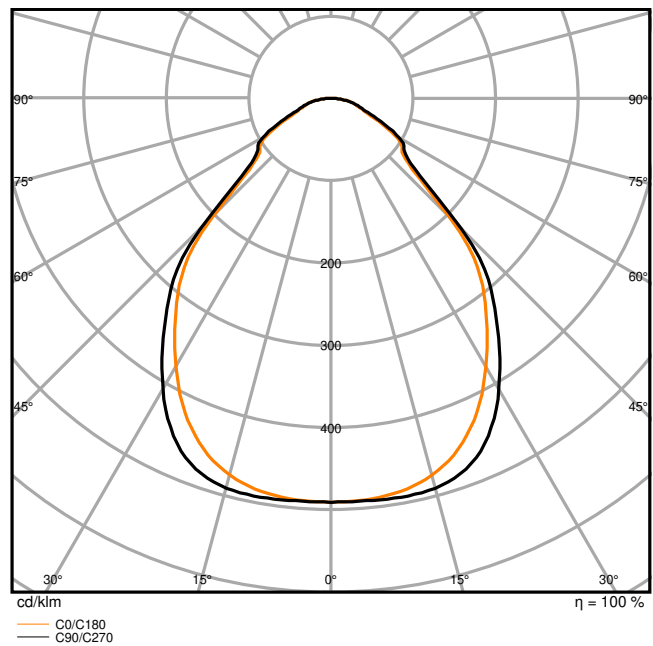
Nominal wattage	40.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	190.000 mA
Inrush current	27 A
Inrush current time T_{h50}	205 μ s
Max. number of luminaires per miniature circuit breaker B16	23
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	36
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	4600 lm
Luminous efficacy	115 lm/W
Color temperature	2700...6500 K
Light color (designation)	Tunable White
Color rendering index Ra	> 90
Standard deviation of color matching	3 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	90 °
UGR	< 19



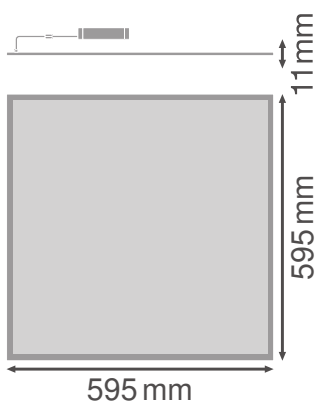
BIOLUX HCL PL 600 S 40W TW DALI



BIOLUX HCL PL 600 S 40W TW DALI

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	11.00 mm
Product weight	3300.00 g



BIOLUX HCL PL 600 ZB 43W

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP20/IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI2
Dimming range	1...100 %
Mounting type	Recessed
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50,0 mm
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h ¹⁾
Lifespan L80/B10 at 25 °C	40000 h ¹⁾
Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	50000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)



Control gear


Output current	1100 mA
ECG - Output ripple current	< 1 %
ECG - Length	215 mm
ECG - Width	92 mm
ECG - Height	25 mm

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Accessories Optional







Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843
	PANEL 600 RECESSED MOUNT FRAME	4058075402881
	PANEL Suspension Kit	4058075402928
	PANEL 600 SURFACE MOUNT KIT H50	4058075826397






Product image	Product name	EAN
	PANEL SECURITY KIT 4x	4058075472990




EQUIPMENT / ACCESSORIES



- Accessories for several mounting options available
- External control gear included
- Security kit (security wire and brackets) included
- Cable clamp for through wiring preinstalled


DOWNLOAD DATA

Documents and certificates	Document name
 User Instruction	UI BIOLUX HCL PL DALI
 Addon Technical Information	LISO Insert BIOLUX HCL PL DALI
 Legal information	Legal insert BIOLUX HCL DALI
 Declarations of conformity	BIOLUX HCL PL
 Declarations Of Conformity UKCA	BIOLUX HCL PL
 Certificates	BIOLUX HCL PL

Photometric and lighting design files	Document name
 IES file (IES)	BIOLUX HCL PL 600 S 40W TW DALI
 LDT file (Eulumdat)	BIOLUX HCL PL 600 S 40W TW DALI
 ULD file (DIALux)	BIOLUX HCL PL 600 S 40W TW DALI
 ROLF file (RELUX)	BIOLUX HCL PL DALI GEN2 600 S 40W TW
 UGR file (UGR table)	BIOLUX HCL PL 600 S 40W TW DALI

Photometric and lighting design files		Document name
	LDC typ cone	BIOLUX HCL PL 600 S 40W TW DALI
	LDC typ polar	BIOLUX HCL PL 600 S 40W TW DALI
	Spectral power distribution	BIOLUX HCL PL S 40W TW DALI

CAD/BIM files		Document name
	BIM_Revit_3D	Biolux Tunable White Panel G2
	CAD_STEP_3D	HCL PL 600

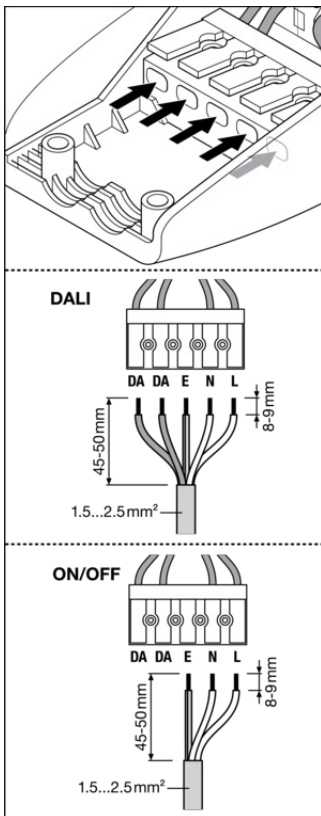
Tender texts		Document name
	Tender documents	BIOLUX HCL PANEL DALI GEN 2 600 S 40W TW DALI-EN

LOGISTICAL DATA

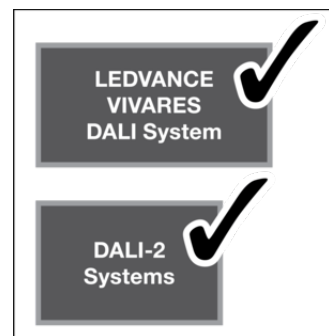
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854140068	Folding box 1	698 mm x 51 mm x 651 mm	3772.00 g	23.17 dm ³
4099854140075	Shipping box 2	718 mm x 123 mm x 672 mm	8384.00 g	59.35 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



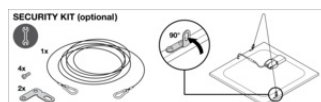
≤ 16 A	B10	B16	B25	B32	C10	C16	DALI	t _c
BIOLUX HCL PL 600 S 40W TW DALI	14x	23x	35x	46x	23x	36x	OSRAM	< 75°C
BIOLUX HCL PL 600 S 40W TW DALI	14x	23x	35x	46x	23x	36x	QTI DALI 500	< 75°C
BIOLUX HCL PL 600 S 40W TW OSRAM DALI	14x	23x	35x	46x	23x	36x	144 NFC TW	< 75°C



ACCESSORIES

- SURFACE MOUNT KIT
- SURFACE MOUNT KIT VALUE
- SUSPENSION KIT
- RECESSED MOUNT FRAME
- RECESSED MOUNT CLIPS

(D) **(GB)**



References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.